

Claims

What is claimed is:

1. A surgical instrument for deploying an adjustable gastric band comprising:

an elongated support tube having a proximal end and a distal end;

an elongated inner rod having a proximal end and a distal end wherein said distal end comprises a mechanism for releasably engaging a gastric band;

wherein said inner rod is slidably and coaxially disposed within said support tube and wherein said distal movement of said rod exposes said mechanism for engaging a gastric band.

2. The surgical instrument of claim 1 wherein said proximal end of said elongated rod includes a thumb ring.
3. The surgical instrument of claim 1 wherein said mechanism for releasably engaging a gastric band includes one or more pins.
4. The surgical instrument of claim 1 wherein said elongated inner rod further comprises a longitudinal protrusion and wherein said elongated support tube further comprises an inner surface having a longitudinal groove therein wherein said longitudinal protrusion of said elongated inner rod is slidably engaged with said longitudinal groove of said inner surface of said elongated support tube.
5. The surgical instrument of claim 3, wherein said elongated inner rod further comprises a shelf for releasably supporting a gastric band at said distal end, said one or more pins further being disposed on said shelf.
6. The surgical instrument of claim 1, wherein said elongated support tube is between about 30mm and about 50mm in length.
7. The surgical instrument of claim 1, wherein said elongated support tube is between about 10mm and about 20mm in diameter.
8. The surgical instrument of claim 7, wherein said elongated support tube is between about 12mm and about 15mm in diameter.
9. The surgical instrument of claim 1, wherein said proximal end of said elongated support tube includes a handle.

10. A surgical instrument for deploying an adjustable gastric band comprising:

an elongated support tube having a proximal end and a distal end;

an elongated inner rod having a proximal end and a distal end wherein said inner rod is slidably and coaxially disposed within said support tube;

a gastric band releasably secured to said distal end of said inner rod wherein said distal movement of said rod exposes said gastric band;

11. The surgical instrument of claim 10 wherein said proximal end of said elongated rod includes a thumb ring.
12. The surgical instrument of claim 10, wherein said gastric band is releasably secured to said distal end of said elongated inner rod by way of one or more pins.
13. The surgical instrument of claim 12, wherein said gastric band is releasably secured to said distal end of said elongated inner rod by way of two pins.
14. The surgical instrument of claim 10, wherein said elongated inner rod further comprises longitudinal protrusion and wherein said elongated support tube further comprises an inner surface having a longitudinal groove therein and wherein said longitudinal protrusion of said elongated inner rod is slidably engaged with said longitudinal groove of said inner surface of said elongated support tube.
15. The surgical instrument of claim 10, wherein said elongated inner rod further comprises a shelf at said distal end for releasably securing said gastric band.
16. The surgical instrument of claim 10, wherein said elongated support tube is between about 30mm and about 50mm in length.
17. The surgical instrument of claim 10, wherein said elongated support tube is between about 10mm and about 20mm in diameter.
18. The surgical instrument of claim 17, wherein said elongated support tube is between about 12mm and about 15mm in diameter.
19. The surgical instrument of claim 17, wherein said proximal end of said elongated support tube includes a handle.

20. A method for implanting a gastric band into a patient, comprising the steps of:
- (a) providing a surgical instrument for deploying an adjustable gastric band having:
 - (i) an elongated support tube having a proximal end and a distal end;
 - (ii) an elongated inner rod slidably and coaxial disposed within said support tube having:
 - (1) a proximal end;
 - (2) a distal end comprising a shelf having one or more pins located thereon;
 - (iii) a gastric band releasably secured to said one or more pins of said shelf of distal end of said inner rod wherein said distal movement of said inner rod exposes said gastric band;
 - (b) providing a trocar;
 - (c) inserting the trocar into the abdomen of the patient;
 - (d) inserting the distal end of the support tube into the trocar;
 - (e) distally moving the inner rod of the surgical instrument thereby exposing the gastric band within the abdomen of the patient;
 - (f) removing the gastric band from the inner rod of the surgical instrument;
 - (g) proximally moving said inner rod of the surgical instrument;
 - (h) removing the support tube from the trocar.